TNF	-gomma	
1 C	CCAATCAAGAGAAATTCCATACTATCACCAGTTGGCCGACTTTCCAAGTCTAGTGCAGA	60
61 /	AATCCAAGGCACCTCACACCTAGAGTTCCTATACCTCTGAGACTCCAGAGGAAAGAACAA	120
	GACAGTGCAGAAGGATATGTTAGAACCCACTGAAAACCTAGAAGGTTGAAAAGGAAGCAT	180
	ACCCTCCTGACCTATAAGAAAATTTTCAGTCTGCAGGGGGATATCCTTGTGGCCCAAGAC	240
	ATTGGTGTTATCATTTGACTAAGAGGAAATTATTTGTGGTGAGCTCTGAGTGAG	300
_	GACCAGGGAGATGCCAAGTTTCTATCACTTACCTCATGCCTGTAAGACAAGTGTTTTGTT	360
361	CCAATTGATGAATGGGGAGAAAACAGTTCAGCCAATCACTTATGGGCACAGAATGGAATT	420
421	TGAAGGGTCTGGTGCCTTGTCATACGTAAACAAGAGAGGCATCGATGAGTTTTAT	480
481	CTGAGTCATTTGGGAAAGGATAATTCTTGCACCAAGCCATTTTCCTAAACACAGAAGAAT	540
541	AGGGGGATTCCTTAACCTTCATTGTTCTCCAGGATCATAGGTCTCAGGATAAATTAAAAA	600
601	TTTTCAGGTCAGACCACTCAGTCTCAGAAAGGCAAAGTAATTTGCCCCAGGTCACTAGTC	660
661	CAAGATGTTATTCTCTTTGAACAAATGTGTATGTCCAGTCACATATTCTTCATTCA	720
721	TO THE TARGET CALL ACCIDATE AT A TARGET CALL TARGET CALL TO THE CONTRACT OF THE CALL TO THE CALL THE C	
781 781	TO THE TAX COMMON TO TAX ACTIVITY OF THE TAX ACTIVITY OF TAX ACTIVITY OF THE TAX ACTIVITY OF TAX ACTIVITY	
841 21	1 TTGTCTTTCCAGTTGTGAGACAAACTCCCACACACACCACTTTAAAAATCAGTTCCCAGCT	C 900 L 40
90	1 TGCACTGGGAACATGAACTAGGCCTGGCCTTCACCAAGAACCGAATGAACTATACCAAC	A 960
	AATTCCTGCTGATCCCAGAGTCGGGAGACTACTTCATTTACTCCCAGGTCACATTCCGT	G 1020

TNF-gamma

1021 81	GGATGACCTCTGAGTGCAGTGAAATCAGACAAGCAGGCCGACCAAACAAGCCAGACTCCA M T S E C S E I R Q A G R P N K P D S I	1080 100
1081 101	TCACTGTGGTCATCACCAAGGTAACAGACAGCTACCCTGAGCCAACCCAGCTCCTCATGG T V V 1 T K V T D S Y P E P T Q L L M G	1140 120
1141 121	GGACCAAGTCTGTATGCGAAGTAGGTAGCAACTGGTTCCAGCCCATCTACCTCGGAGCCA T K S V C E V G S N W F Q P I Y L G A M	1200 140
1201 141	TGTTCTCCTTGCAAGAAGGGGACAAGCTAATGGTGAACGTCAGTGACATCTCTTTGGTGG F S L Q E G D K L M V N V S D I S L V D	1260 160
1261 161	ATTACACAAAAGAAGATAAAACCTTCTTTGGAGCCTTCTTACTATAGGAGGAGAGCAAAT Y T K E D K T F F G A F L L *	1320 175
1321	ATCATTATATGAAAGTCCTCTGCCACCGAGTTCCTAATTTTCTTTGTTCAAATGTAATTA	1380
1381	TAACCAGGGGTTTTCTTGGGGCCGGGAGTAGGGGGCATTCCACAGGGACAACGGTTTAGC	1440
1441	TATGAAATTTGGGGCCAAAATTTCACACTTCATGTGCCTTACTGATGAGAGTACTAACTG	1500
1501	GAAAAAGGCTGAAGAGAGCAAATATATTATTAAGATGGGTTGGAGGATTGGCGAGTTTCT	1560
1561	AAATATTAAGACACTGATCACTAAATGAATGGATGATCTACTCGGGTCAGGATTGAAAGA	1620
1621		1680
1681		1740
1741		1800
1801		1860
-		1920
1861		1980
1921		2040
1981	1 TTCAGTAGAGTTTTCTTGCCCACCTATTTTGTGCTGGGTTCTACCTTAACCCAGAAGACA	2010

T	NF-ga mma	
2041	CTATGAAAAACAAGACAGACTCCACTCAAAATTTATATGAACACCACTAGATACTTCCTG	2100
2101	ATCAAACATCAGTCAACATACTCTAAAGAATAACTCCAAGTCTTGGCCAGGCGCAGTGGC	2160
2161	TCACACCTGTAATCCCAACACTTTGGGAGGCCAAGGTGGGTG	2220
2221	GTTCAAGACCAGCCTGACCAACGTGGAGAAACCCCATCTCTACTNAAAATACNAAATTAG	2280
2281	CCGGGCGTGGTAGCGCATGGCTGTAANCCTGGCTACTCAGGAGGCCGAGGCAGAANAATT	2340
2341	NCTTGAACTGGGGAGGCAGAGGTTGCGGTGAGCCCAGANCGCGCCATTGCACTCCAGCCT	2400
2401	GGGTAACAAGAGCAAAAACTCTGTCCAAAAAAAAAAAAA	

FIG. 1C

		4/33		
TNFgamma TNFalpha TNFbeta LTbeta FASL	TNFgamma TNFalpha TNFbeta LTbeta FASL	TNFgamma TNFalpha TNFbeta LTbeta FASL	TNFgamma TNFalpha TNFbeta LTbeta FASL	TNFgamma TNFalpha
G A	V W L A E E	- A - T - C - C - C - C - C - C - C - C - C	L V P D D O D O G M G M G M G M G M G M G M G M G M G	- 23
	. 70000	0 7 6 6 7 9	0 64746	•

MATCH WITH FIG. 2B

FIG.2A

TNFbeta LTbeta FASL TNFgamma TNFalpha	LTbeta FASL	TNFgamma TNFalpha TNFbeta LTbeta FASL	TNFgamma TNFalpha TNFbeta LTbeta FASL
MATCH WITH FIG. 2A LATERARY MITHER REPORT TO THE TO THE TO THE	DGF ST	61 F L I P E S G D Y E I X S C X E I R Q B G C	91 A G R M K R D S I T V V I T K V T D S Y P E P T O 146 R T H Y L L Y T A R E M O L F S S O Y E F H Y P 154 G R S M T R S S L X M R N F K Y R G D L V R M

MATCH WITH FIG. 2C

FIG.2B

2B

MATCH WITH FIG.

			,
gam alp	TNFbeta LTbeta	FASL	
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9	7 - 7 777	80 k	23
4 4	<u></u>	- ~	22

TNFalpha TNFgamma TNFbeta LTbeta FASL THTDGGGPE 210 245

G W N 229 239 170 201

TNFgamma TNFalpha TNFbeta LTbeta FASL

FIG. 3A

Tissue distribution of TNFgamma mRNA

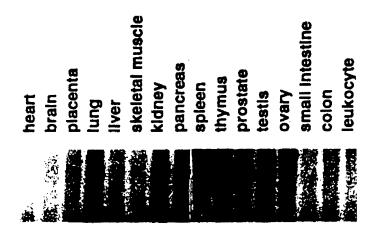
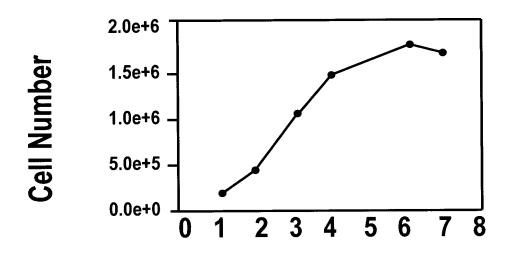


FIG. 3B Expression of TNFgamma in HUVEC

1 2 3 4 5 6 7 8 9 10 11





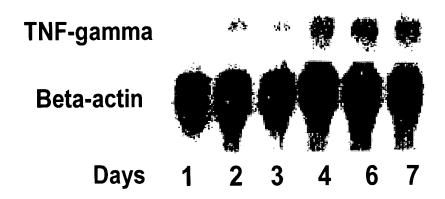


FIG. 4

Expression of TNF γ in E. coli

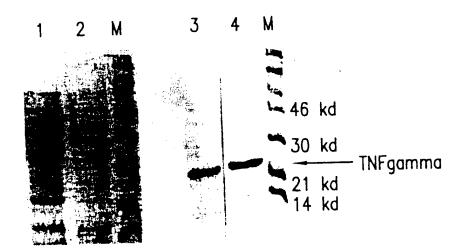


FIG.5

Expression of TNF γ in baculovirus system

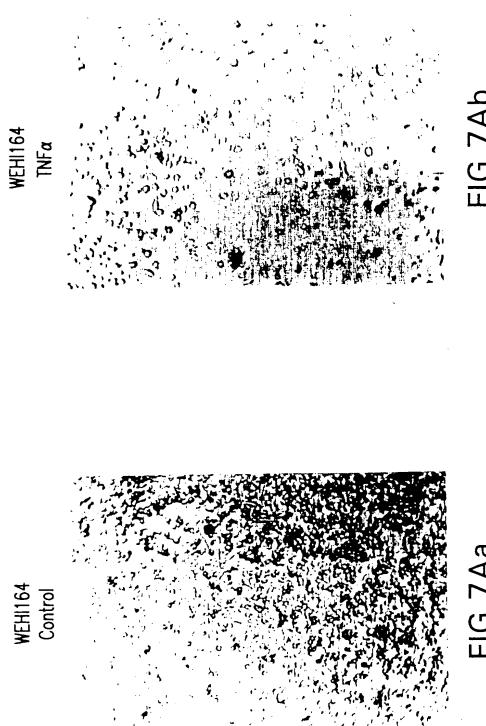
1 2 3 4



 TNF_γ



FIG.6



WEHI164 TNFβ

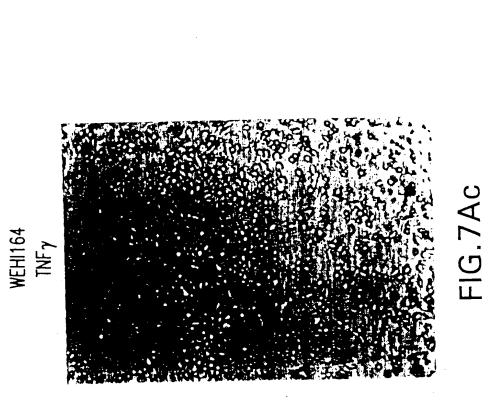
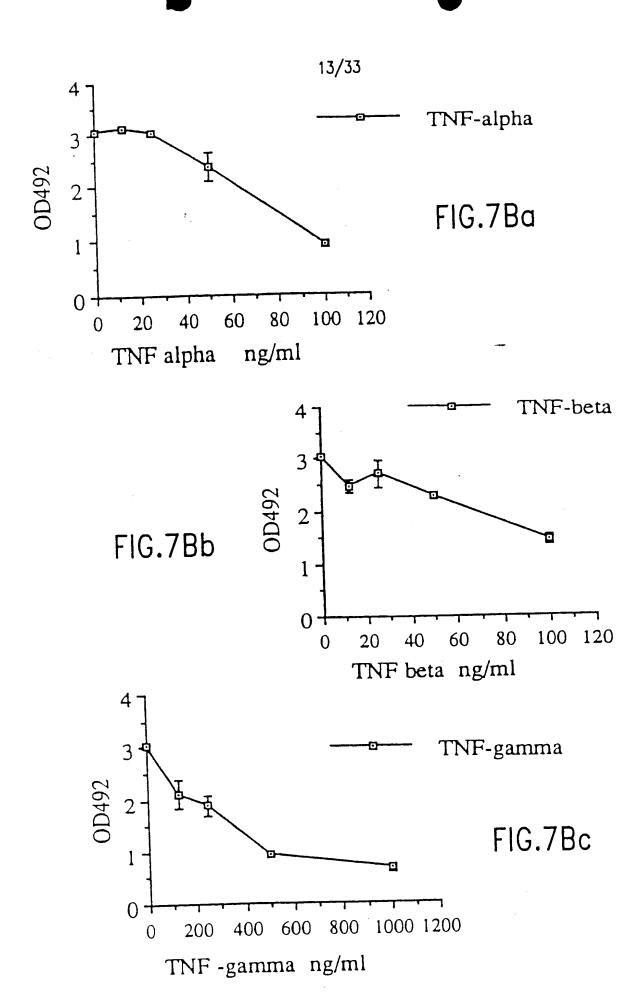


FIG.7Ad



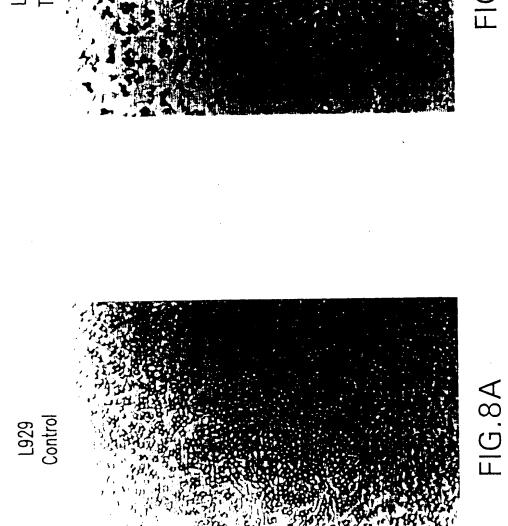


FIG.8B

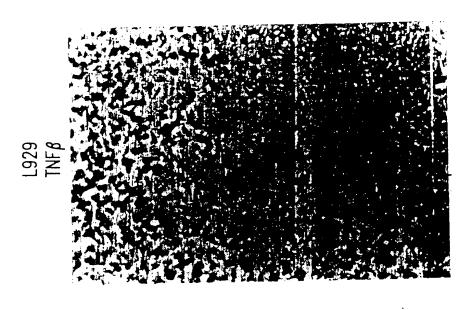


FIG.8D

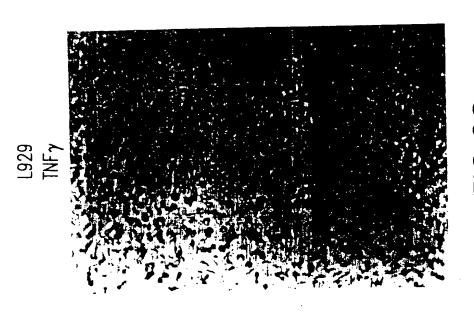
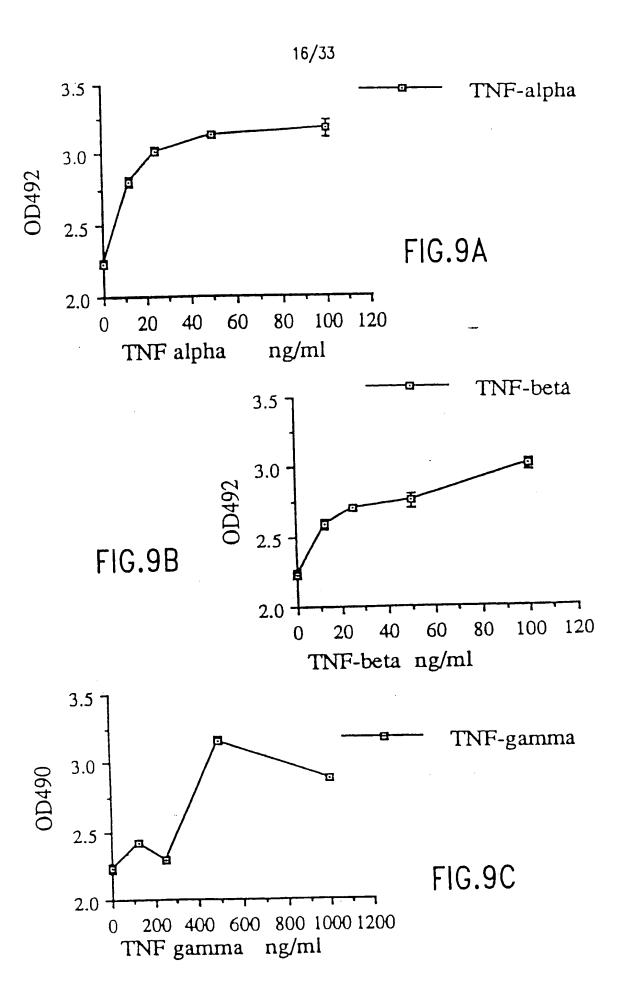


FIG.8C



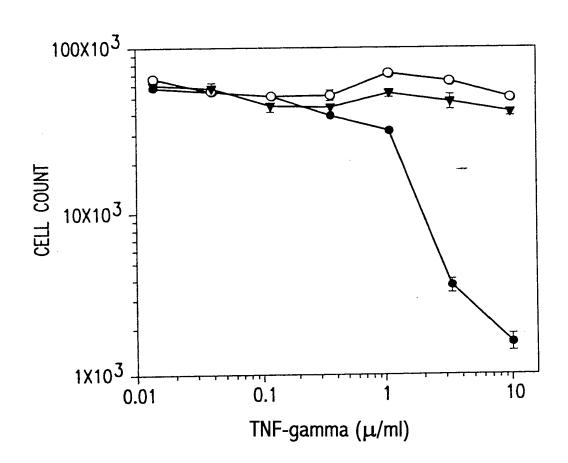


FIG.10

HL60 TNFa

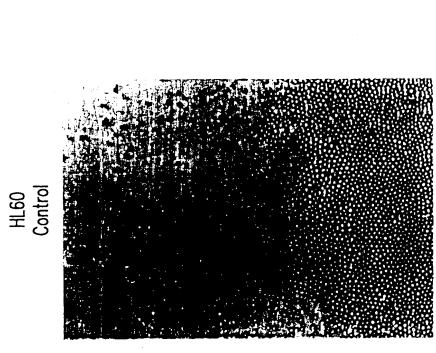


FIG.11A

HL60 TNFγ

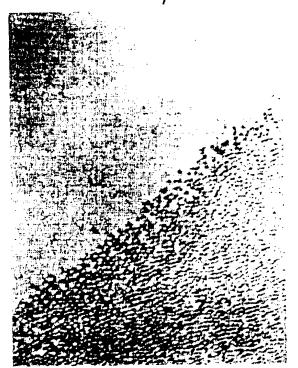
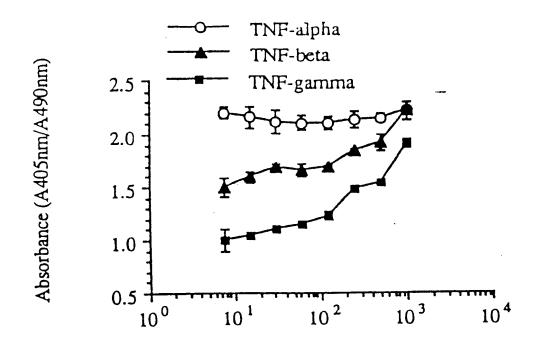


FIG.11C



Concentration (ng/ml)

FIG.12

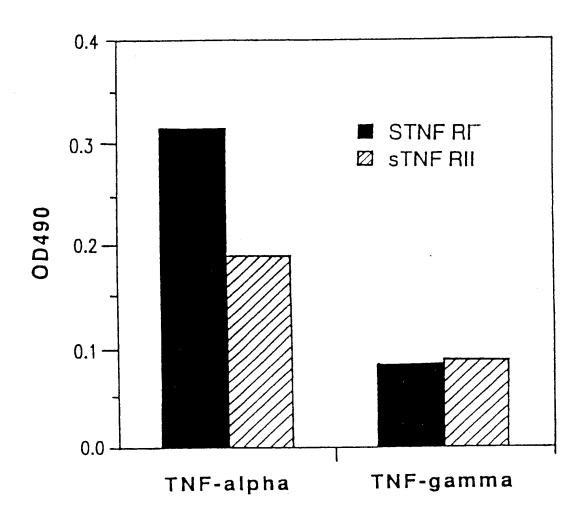
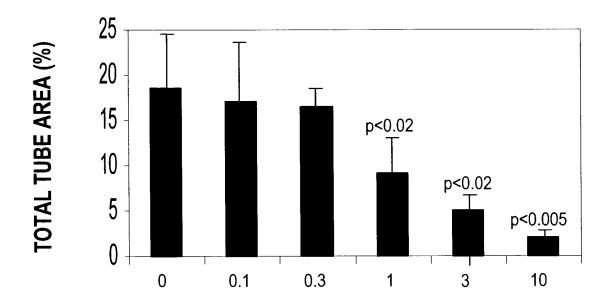


FIG.13



TNF-gamma (μg/ml)

FIG. 14

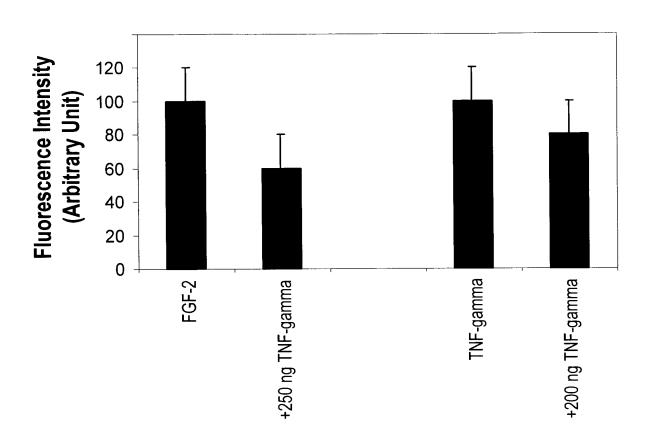


FIG. 15

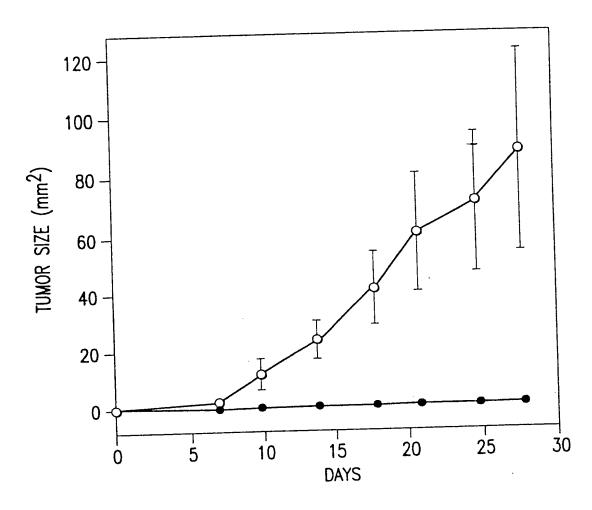


FIG. 16A

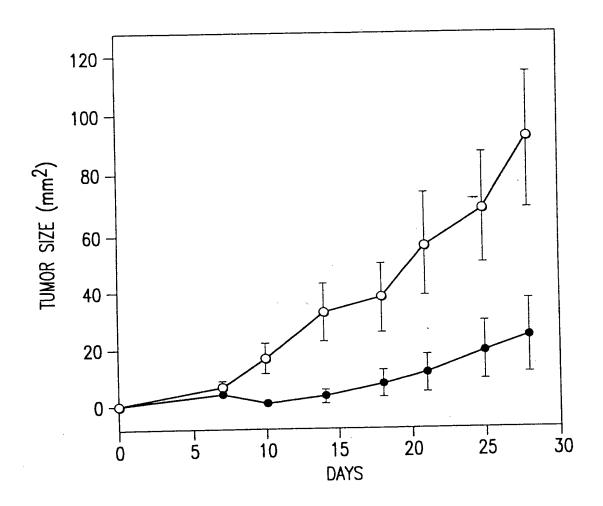
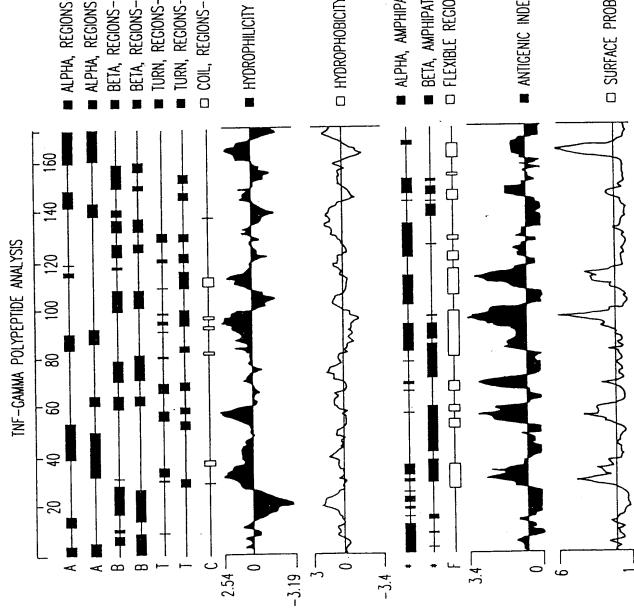


FIG. 16B



ALPHA, REGIONS-CARNIER-ROBSON

ALPHA, REGIONS-CHOU-FASMAN

BETA, REGIONS-CARNIER-ROBSON

BETA, REGIONS-CHOU-FASMAN

TURN, REGIONS-CARNIER-ROBSON

TURN, REGIONS-CHOU-FASMAN

COIL, REGIONS-CARNIER-ROBSON

■ HYDROPHILICITY PLOI-KYTE-DOOLITILE

C HYDROPHOBICITY PLOT-HOPP-WOODS

■ ALPHA, AMPHIPATHIC REGIONS—EISENBERG

■ BETA, AMPHIPATHIC REGIONS-EISENBERG

CI FLEXIBLE REGIONS-KARPLUS-SCHULZ

■ ANTIGENIC INDEX-JAMESON-WOLF

C SURFACE PROBABILITY PLOT-EMINI

TNF-gamma-alpha vs. TNF-gamma-beta

TNF-gamma-alpha	1 CCCAATCAAGAGAAATTCCATACTATCACCAGTTGGCCGACTTTCCAAG 49
TNF-gamma-alpha	50 TCTAGTGCAGAAATCCAAGGCACCTCACACCTAGAGTTCCTATACCTCTG 99
TNF-gamma-alpha	100 AGACTCCAGAGGAAAGAACAAGACAGTGCAGAAGGATATGTTAGAACCCA 149
TNF-gamma-alpha	150 CTGAAAACCTAGAAGGTTGAAAAGGAAGCATACCCTCCTGACCTATAAGA 199
TNF-gamma-alpha	200 AAATTITCAGTCTGCAGGGGGATATCCTTGTGGCCCAAGACATTGGTGTT 249
TNF-gamma-alpha	250 ATCATTTGACTAAGAGGAAATTATTTGTGGTGAGCTCTGAGTGAG
TNF-gamma-alpha	300 GGACCAGGGAGATGCCAAGTTTCTATCACTTACCTCATGCCTGTAAGACA 349
TNF-gamma-alpha	350 AGTGTTTTGTTCCAATTGATGAATGGGGAGAAAACAGTTCAGCCAATCAC 399
TNF-gamma-alpha	400 TTATGGGCACAGAATGGAATTTGAAGGGTCTGGTGCCTTGTCATA 449
TNF-gamma-aipha	450 CGTAAACAAGAGAGGCATCGATGAGTTTTATCTGAGTCATTTGGGAAAGG 499
TNF-gamma-aipha	500 ATAATTCTTGCACCAAGCCATTTTCCTAAACACAGAAGAATAGGGGGATT 549
TNF-gamma-alpha	550 CCTTAACCTTCATTGTTCTCCAGGATCATAGGTCTCAGGATAAATTAAAA 599
TNF-gamma-beta	1 ATGGCCGAGGATCTGGGACTGAGCTTTGGGGAAACAGCCAGTGTGGAA 48
TNF-gamma-alpha	600 ATTTTCAGGTCAGACCACTCAGTCTCAGAAAGGCAAAGTAATTTGCCCCA 649
TNF-gamma-bela	49 ATGCTGCCAGAGCACGCCAGCTGCAGGCCCAAGGCCAGGAGCAGCAGCGC 98
TNF-gamma-alpha	650 GGTCACTAGTCCAAGATGTTATTCTCTTTGAACAAATGTGTATGTCCAGT 699
TNF-gamma-bela	99 ACGCTGGGCTCTCACCTGCTGCCTGGTGTTGCTCCCCTTCCTT
TNF-gamma-alpha	700 CACATATICTICATTCATTCCTCCCCAAAGCAGTTTTTAGCTGTTAGGTA 749
TNF-gamma-beta	149 TCACCACATACCTGCTTGTCAGCCAGCTCCGGGCCCAGGGAGAGGCCTGT 198
TNF-gamma-alpha	750 TATTCGATCACTTTAGTCTATTTTGAAAATGATATGAGACGCTTTTTAAG 799
TNF-gamma-beta	199 GTGCAGTTCCAGGCTCTAAAAGGACAGGAGTTTGCACCTTCACATCAGCA 248

	28/33
	TNF-gamma-alpha vs. TNF-gamma-bela BOO CAAAGTCTACAGTTTCCCAATGAGAAAATTAATCCTCTTTCTT
,	
TNF-gamma-beta	249 AGTTTATGCACCTCTTAGAGCAGACGGAGATAAGCCAAGGGCACACCTGA 298
	850 CAGTTGTGAGACAAACTCCCACACAGCACTTTAAAAAATCAGTTCCCAGCT 899
TNF-gamma-beta	299 CAGTTGTGAGACAAACTCCCACACAGCACTTTAAAAAATCAGTTCCCAGCT 340
	900 CTGCACTGGGAACATGAACTAGGCCTGGCCTTCACCAAGAACCGAATGAA 949
TNF-gamma-beta	349 CTGCACTGGGAACATGAACTAGGCCTGGCCTTCACCAAGAACCGAATGAA 398
TNF-gamma-alpha	950 CTATACCAACAAATTCCTGCTGATCCCAGAGTCGGGACTCGGGACTGGGAGTCGGGACTGGGAGTCGGGAGTCGGGAGTCGGGAGTCGGGAGTCGGGAGTCGGGAGTCGGGAGTCGGGAGTCGGGAGTCGGGAGTCGGGAGTCGGGAGTCGGGAGTCGGGAGTCGGGAGTCGGGAGTCGGGAGTCGGAGAGTCGGGAGTCGGGAGTCGGGAGTCGGGAGTCGGGAGTCGGGAGTCGGGAGTCGGGAGTCGGAGAGTCGGGAGTCGGGAGTCGGGAGTCGGGAGTCGGGAGTCGGGAGTCGGGAGTCGGGAGTCGGAGTCGGAGAGTCGGGAGTCGGAGAGTCGGGAGTCGGAGAGTCGGGAGAGTCGGGAGAGTCGGAGAGAGTCGGAGAGTCGGAGAGTCGGAGAGTCGGAGAGTCGGAGAGTCGGAGAGTCGGAGAGTCGGAGAGTCGGAGAGTCGGAGAGTCGGAGAGAGTCGGAGAGTCGGAGAGTCGGAGAGTCGGAGAGTCGGAGAGAGA
TNF-gamma-beta	399 CTATACCAACAAATTCCTGCTGATCCCAGAGTCGGGAGACTACTTCATTT 448
TNF-gamma-alpha 1	1000 ACTCCCAGGTCACATTCCGTGGGATGACCTCTGAGTGAGT
TNF-gamma-beta	449 ACTCCCAGGTCACATTCCGTGGGATGACCTCTGAGTGCAGTGAAATCAGA 498
,,,, 3 -,,,,,	1050 CAAGCAGGCCGACCAAACAAGCCAGACTCAGTCAGTCAGT
TNF-gamma-beta	499 CAAGCAGGCCGACCAAACAAGCCAGACTCCATCACTGTGGTCATCACCAA 548
, 3	1100 GGTAACAGACAGCTACCCTGAGCCAACCCAGCTCCTCATGGGGACCAAGT 1149
TNF-gamma-beta	1150 CTGTATGCGAAGTAGGTAGCAACTGGTTCCAGCCCATCTACCTCGGAGCC 1199
3	1150 CTGTATGCGAAGTAGGTAGCAACTGGTTCCAGCGCATCTAGGTGGGTAGGAAGTAGGTAG
TNF-gamma-beta	
TNF-gamma-alpha	1200 ATGTTCTCCTTGCAAGAAGGGGACAAGCTAATGGTGAACGTCAGTGACAT 1249
TNF-gamma-beta	1250 CTCTTTGGTGGATTACACAAAAGAAGATAAAACCTTCTTTGGAGCCTTCT 1299
TNF-gamma-alpha	1250 CTCTTTGGTGGATTACACAAAAGAAGATAAAACCTTCTTTGGAGCCTTGT 1250
TNF-gamma-beta	1300 TACTATAGGAGGAGGAGCAAATATCATTATATGAAAGTCCTCTGCCACCGA 1349
TNF-gamma-alpha	1300 TACTATAGGAGGAGCAAATATCATTATATGAAAGTCCTCTGGGAGGAGGAGCAAATATCATTATATGAAAGTCCTCTGGCACCGA 798
TNF-gamma-beta	1350 GTTCCTAATTTTCTTTGTTCAAATGTAATTATAACCAGGGGTTTTCTTGG 1399
TNF-gamma-alpha	1350 GTTCCTAATTTTCTTIGTTCAAATGTAATTATAACCAGGGGTTTTCTTGG 1350 [
TNF-gamma-beta	/99 GITCCTAATTTCTTIGTTCAAATGTAATTATAACCAOCCTTTACCTATCAAATT 1449
TNF-gamma-alpha	1400 GGCCGGGAGTAGGGGGCATTCCACAGGGACAACGGTTTAGCTATGAAATT 1449
TNF-gamma-beta	849 GGCCGGGAGTA.GGGGCATTCCACAGGGACAACGGTTTAGCTATOAWTT GSA

FIG. 18B

TNF-gamma-alpha vs. TNF-gamma-beta

TNF-gamma-alpha 1450 TGGGG.CCAAAATTTCACACTTCATGTGCCTTACTGATGAGAGTACTAAC 1498
TNF-gamma-alpha 1499 TGGAAAAAGGCTGAAGAGAGCAAATATATTATTAAGATGGGTTGGAGGAT 1548
TNF-gamma-alpha 1549 TGGCGAGTTTCTAAATATTAAGACACTGATCACTAAATGAATG
TNF-gamma-beta 998 TGGCGAGTTTCTAAATATTAAGACACTGATCACTAAATGAATG
TNF-gamma-beta 1048 TACTCGGGTCACGATTGAAAGAGAAATATTTCAACACCTTCCTGCTATAC 1097 TNF-gamma-alpha 1649 AATGGTCACCAGTGGTCCAGTTATTGTTCAATTTGATCATAAATTTGCTT 1698
TNF-gamma-beta 1098 AATGGTCACCAGTGGTCCA 1116 TNF-gamma-alpha 1699 CAATTCAGGAGCTTTGAAGGAAGTCCAAGGAAAGCTCTAGAAAACAGTAT 1748
TNF-gamma-alpha 1749 AAACTTTCAGAGGCAAAATCCTTCACCAATTTTTCCACATACTTTCATGC 1798 TNF-gamma-alpha 1799 CTTGCCTAAAAAAAAATGAAAAGAGAGTTGGTATGTCTCATGAATGTTCAC 1848
TNF-gamma-alpha 1849 ACAGAAGGAGTTGGTTTTCATGTCATCTACAGCATATGAGAAAAGCTACC 1898 TNF-gamma-alpha 1899 TTTCTTTTGATTATGTACACAGATATCTAAATAAGGAAGTTTGAGTTTCA 1948
TNF-gamma-alpha 1949 CATGTATATCCCAAATACAACAGTTGCTTGTATTCAGTAGAGTTTTCTTG 1998 TNF-gamma-alpha 1999 CCCACCTATTTTGTGCTGGGTTCTACCTTAACCCAGAAGACACTATGAAA 2048
TNF-gamma-alpha 1999 CCCACCTATTTTGTGCTGGGTTGTAGGTAGATACTTCC 2098 TNF-gamma-alpha 2049 AACAAGACAGACTCCACTCAAAATTTATATGAACACCACTAGATACTTCC 2098 TNF-gamma-alpha 2099 TGATCAAACATCAGTCAACATACTCTAAAGAATAACTCCAAGTCTTGGCC 2148
TNE-gamma-glpha 2149 AGGCGCAGTGGCTCACACCTGTAATCCCAACACTTTGGGAGGCCAAGGTG 2198
TNF-gamma-alpha 2199 GGTGGATCATCTAAGGCCGGGAGTTCAAGACCAGCCTGACCAACGTGGAG 2248

TNF-gamma-alpha vs. TNF-gamma-bela

FIG. 18D

TNF-gamma-alpha vs. TNF-gamma-beta

TNF-gamma-beta	1 MAEDLGLSFGETASVEMLPEHGSCRPKARSSSARWALTCCLVLLPFLAGL 1	50
TNF-gamma-alpha	1 MRRFLSKVYSFPMRKLILFLVFP	23
TNF-gamma-beta	1 TTYLLVSQLRAQGEACVQFQALKGQEFAPSHQQVYAPLRADGDKPRAHLT	100
TNF-gamma-alpha TNF-gamma-beta	4 VVRQTPTQHFKNQFPALHWEHELGLAFTKNRMNYTNKFLL[PESGDYF]Y	
TNF-gamma-alpha TNF-gamma-beta	74 SQVTFRGMTSECSEIRQAGRPNKPDSITVVITKVTDSYPEPTQLLMGTKS	
TNF-gamma-alpha TNF-gamma-beta	24 VCEVGSNWFQPIYLGAMFSLQEGDKLMVNVSDISLVDYTKEDKTFFGAFL	173 250
TNF-gamma-alpha TNF-gamma-bela	74 L 174 51 L 251	

FIG. 19

TNF-gamma-bela

1	ATG(GCC	GAC	GA	TCT	GG	GAC	ĊŤĠ	* AGC	TTI	rgg	ĠG	ΑA	ACA	GC(ÀG	TG	TG	GA	AA.	TG(CTG	CC	AG.	AĠ	60 20
	M													•												
61 21	CAC				CA(R	GC P	CCA	AAG <	GC(A	CAG(R	SAC S	Ċ.	AGC S	agc S	GC/ A	ACC R	CT V	rgg V	<u>A</u>	TC L	TC	ACC T	C	CT C	GC —	120 40
21 41	CTG L	GT(V	STT(GĊT L	CC(CCT F	TC	CŤT L	GC/	AGG	AC1	rċ.	ACC [ACA T	TA Y	CĊ	TG(CTI	[G] V	CA	ĠC	CA(Q	GCT L	TCC R	GĠ	180 60
81 61	GCC	· C A /	ኅርር	٠. ۸Ċ	\CC	<u>ዮ</u> ዮ1	rati	cio	CA	GTT	CC	AG(GCT	CTA	٩AA	AG(GA	CA(GG/	٩G٦	İİ	GC	AC(CTT	CÀ	240 80
241 81	- CA1 H	- C A	CC 1	иĊ.	rtt	Λ T(C A		rct	TAG	AG	CA	GA(:GG/	AG <i>A</i>	ATA	AG	CC.	ΑA	GG(GCA	(CA	CC	TG/	· ACA	300 100
301 101	GT [*]		GAC R						ACA Q	GC <i>A</i> H	CT F	Τİ	AA/ K	AAA N	TC/ Q	GT F	TC	CC P	AG A	CT	CŤ(L	GCA H	CT W	GG(GAÀ E	360 120
361 121	CΔ	TC	<u>، ۸</u> ۵	TAG	GCO	:TG	GCO	TT:	CA(CA/ K	AGA N	AAC N	CG R	AAT M	# GA/ N	ACT Y	ΑT ′	* AC T	CA N	AC I	AĀ K	ATT F	CC L	TG	CTG L	420 140
421 141	4 T	001	240	ACT		`^ A	CM	^ T A	CT.		TT	ΓΑ(CTC	CCA	GG.	TC/	• AC/	AT1	7CC •F	CGT R	GG G	GAT M	rg/	ACC T	TCT S	480 160
481 161	CA	CT	~ C A	CTC	• A A	A T (ነለር:	ΔCΔ	AG		GCO	CG	ACC	:AA/	ACA	AG(CC.	AG/	AC	TC(TAC	CA	CT(GTO	GTĊ	540 180
541 181	A 7	· ^ A	CC 4	.ACI	` T A	۸۲	۸۵۵	*. CAC	CT		CT	GA	GCO	CAA	CCC	AG	CT	CC	TC.	AT(GGC	GA	CC	AA(TCT	600 200
601 201	G ⁻	ΓΑΤ		SAA	GTA	.GG		CA	ACT	GG1	TC	:CA	GC(TCI	TAC	ĊT	CG	GA	GC	CA1	IGT	TC	TC	CTTĠ	660 220
661 221	C.	AAC				CAA K	.GC1	AAT M	TGC	STG/	# \ AC \	CGT V	ĊA S	GTG D		ATC I	* CTC S	TT: L	TG	GT V	GG, D	ATT Y	AC	* AC. T	AAAA K	720 240
721 241	G			AAA K	AC(T					GCC A 1		CT1 L	IAC L	TAT	AG	GAC	Ġ	AG A	\GC	AA.	AT.	ATC	CAT	TA	TATĠ	780 251
			- - Tr	ስ የ	`TO	rr 1	አ ጉ	GAC	i it	CCT	ΑA	TT.	LÍC	; [TT]	IGT	TC	AÀ	AT(GT/	4 A1	TA	ÌΑ	AC(CAG	GGGŤ	840
78																									TTGĞ	900
84	1 T	TT	CII	GG(JUC	UU(Αیار	U I F	\ UU	ししし	ΑI	10	CHL	,HU	אטנ	CA	~\J	JU	. 1	, 171	, ,	,,,,	J. 4			

TNF-gamma-beta

901	GGCCCAAAATTTCACACTTCATGTGCCTTACTGATGAGAGTACTAACTGGAAAAAGGCTG	960
961	AAGAGAGCAAATATTATTAAGATGGGTTGGAGGATTGGCGAGTTTCTAAATATTAAGA	1020
021	CACTGATCACTAAATGAATGGATGATCTACTCGGGTCAGGATTGAAAGAGAAATATTTCA	1080
081	ACACCTTCCTGCTATACAATGGTCACCAGTGGTCCA	1116

FIG. 20B